

BRUHAT BENGALURU MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK : IMPROVEMENTS TO CC ROADS IN EDGA MAIDANA IN WARD NO.02 OF YELAHANKA SUB-DIVISION

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Estimate Cost Rs.	20.00	Lakhs
1	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1)									
	for Road	Cum								
			1	20.00	9.00	0.30	54.00			
			1	8.00	9.00	0.30	21.60			
			1	9.00	8.00	0.20	14.40			
			1	150.00	2.60	0.20	78.00			
			1	132.00	2.60	0.25	85.80			
							253.80	166.42	42237.40	
	Basic Rate	157.00								
	Area Weightage @ 6%	9.42								
	Total	166.42								
2	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregate /sand/kaner/ Moorum KSRRB M100-1 Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH -100/ Chapter 1 (Page No 133/ Item No 17.1)									
		Cum								
							Qty Vide Item No 1	253.80	100.00	25380.00
	Average Weight of Earth 1.28 Tonne/Km									
	Basic Rate Lead Charges for 10.00 Kms (2.50X1.28X10.00)	32.00								
	Add loading and unloading Item No 17.1)	68.00								
	Total	100.00								
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No.KBS 4.1, 4.2 (P.12/I.4.3)									
		Cum								
	for road		1	20.00	9.00	0.15	27.00			
			1	8.00	9.00	0.15	10.80			
			1	9.00	8.00	0.15	10.80			

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
			1	150.00	2.60	0.15	58.50		
			1	132.00	2.60	0.15	51.48		
							158.58	5159.02	818117.39
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
4	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) M20 for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, for raft foundation, column footing, main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Page No.18 / Item No. 4.48)								
		Cum							
			1	20.00	9.00	0.125	22.50		
			1	8.00	9.00	0.125	9.00		
			1	9.00	8.00	0.125	9.00		
			1	150.00	2.60	0.125	48.75		
			1	132.00	2.60	0.125	42.90		
							132.15	6231.74	823524.44
	Basic Rate	5879.00							
	Area Weightage @ 6%	352.74							
	Total	6231.74							
5	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift (P.177/ I.22.7)								
		Sqm							
			1	20.00	9.00		180.00		
			1	8.00	9.00		72.00		
			1	9.00	8.00		72.00		
			1	150.00	2.60		390.00		
			1	132.00	2.60		343.20		
							1057.20	95.40	100856.88
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	95.40							
6	Providing Groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine generator and HOM of machinery including cost of blade, coolant etc., including cleaning aof groove & providing sand and hot bitumen fillars and filler metal etc.,including cost of conveyance of all materials, labour,lead and lift charges and all the other incidental charges as per drawing and as per specifications, MORTH specification. (P.178/ I.22.8)								
		m							
			3	9.00			27.00		
			6	9.00			54.00		
			3	8.00			24.00		
			1	2.60			2.60		
			20	2.60			52.00		

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Basic Rate	115.00					159.60	121.90	19455.24
	Area Weightage @ 6%	6.90							
	Total	121.90							
7	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 cms thick (Page No.25, Item No. 5.31.1)	Sqm	2	319.00		0.40	255.20		
	Basic Rate	628.00					255.20	665.68	169881.54
	Area Weightage @ 6%	37.68							
	Total	665.68							
8	Miscellaneous and unforeseen charges	LS							547.12
Grand Total Amount									2000000.00
(Rupees Twenty Lakhs Only)									

CERTIFICATE

- 1) The site has been inspected and the work is found to be necessary
- 2) The rates adopted are as per PW,P IWTD SR of 2016-17 and data rate of Bangalore Circle.
- 3) The provisions were made in this estimate are necessary and adequate
- 4) The area comes under the Bruhat Bengaluru Mahanagara Palike Limits.

Assistant Engineer
Ward No.02

Executive Engineer
Yelahanka Division
B.B.M.P

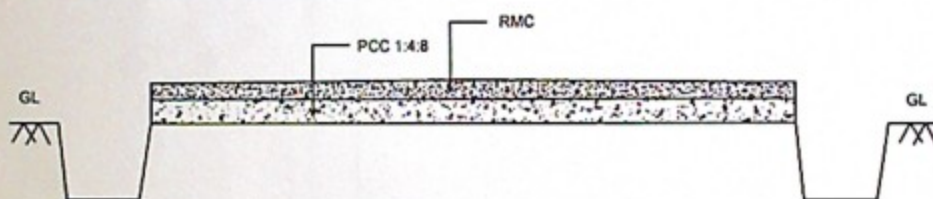
Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P

Administrative Approval
Accorded For 20.00 lakh Rs.
Head of A/C P. 1771
CER NO : 184 Dt: 16-02-17

TA
CE (YMK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 lakh
Rupees Twenty Lakhs
Under P. 1771 - 16.17
Registered as CE () No. 9 9
Subject to conditions contained in
enclosed memo EE () No. /9/
Dt. Estimate A/ Sanctioned
EC/TS/66/16.17 No.
Dated 16-2-17 Rs. 20.00 lakh
Executive Engineer

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YELAHANKA SUB-DIVISION

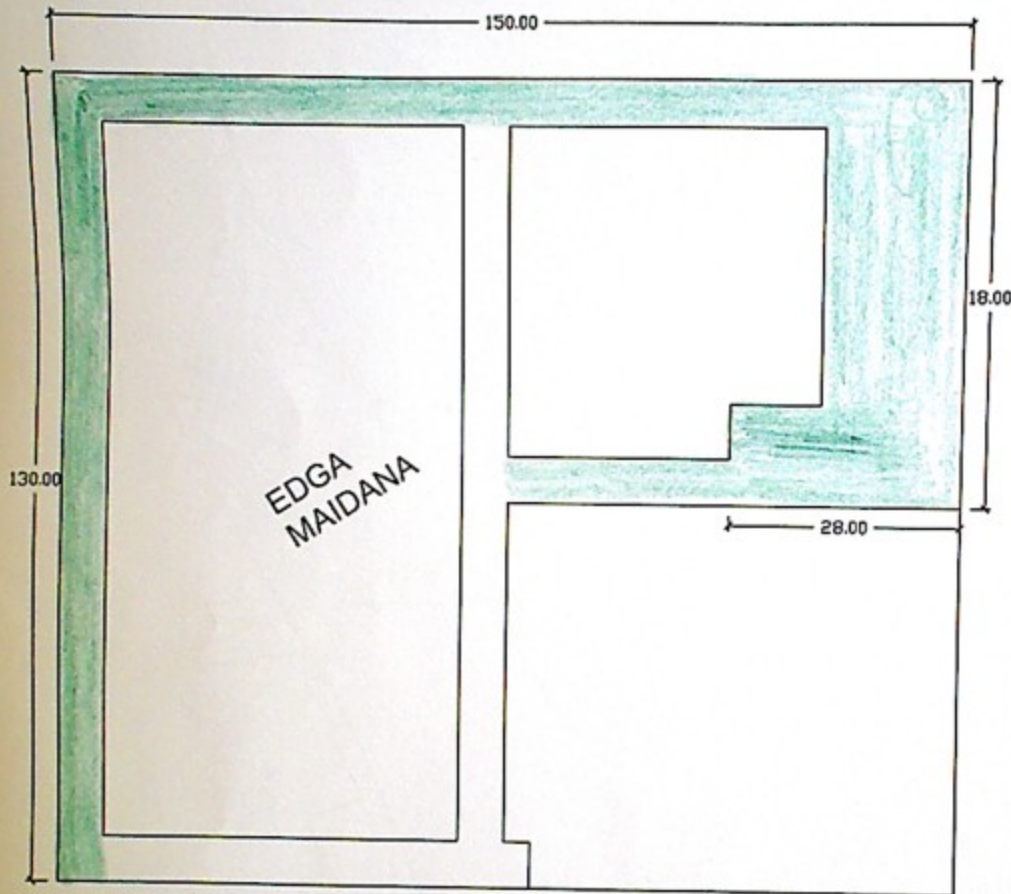
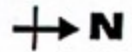


TYPICAL CROSS SECTION OF CC ROAD


Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

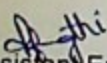
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YELAHANKA SUB-DIVISION

KEY : NOT TO SCALE



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 - CC ROAD


Assistant Engineer
Ward No.02
B.B.M.P


Assistant Executive Engineer
Yelahanka Sub-Division
B.B.M.P